

MWE485-Y

RS485/422 Signal Repeater



- Support RS485/422 serial port signal amplification to extend transmission distance
- Support RS485 and RS422 interface conversion
- Support 300bps~115200bps baudrate
- Support automatic identification of RS485 data flow direction and zero-delay automatic forwarding
- Support 15kV electrostatic protection and 600W/ms lightning protection
- Support 128-node terminal device communication
- Support DC5V input voltage
- Support wide working temperature of -40°C~+85°C



Product Description

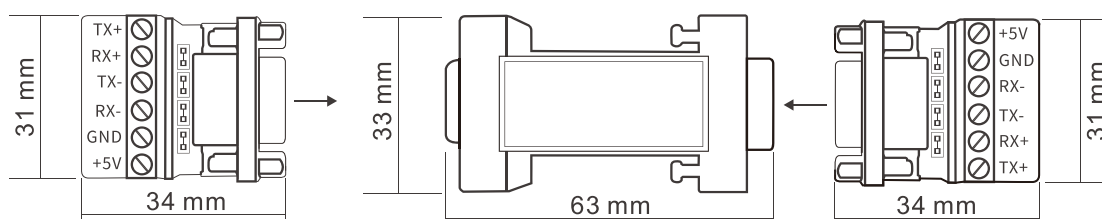
MWE485-Y signal repeater can amplify the RS485/422 serial port signal, extend the transmission distance of serial port and the number of network terminals. The longest relay distance can reach 1.2km. The serial port complies with the EIA/TIA RS485 standard and is anti-static and lightning-proof. This can improve the reliability and stability of the communication system. It supports point-to-multipoint and can connect up to 128 RS485/422 terminal devices. It uses I/O circuits to automatically control the direction of data flow, eliminating the need for handshake signal jumper settings and ensuring compliance with existing communication software and interface hardware. The hardware adopts low power consumption and wide temperature design, and has good high and low temperature resistance. It can operate stably in a temperature environment of -40°C~+85°C. It can be widely used in motors, transformers, relays and other equipment or may be damaged during lightning. Scenarios that produce very high amplitude transient interference.

Specification

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Serial Port	RS485/422, using DB9M/6-position terminal block, terminal matching resistance can be set through jumper cap
Baudrate	300bps-115200bps
Communication Distance	The relay distance is greater than 1.2km (19.2kbps)
Input Voltage	DC5V
Working Current	< 15mA
Dimensions	107×33×17mm (Including terminal blocks)
Weight	38g(Including terminal blocks)
Operating Temp	-40℃~+85℃
Electrostatic Protection	15kV
Lightning Protection	600W/ms
Certification	CE, FCC, RoHS

Dimensions

Unit: mm



Ordering Information

Standard Model	Conversion Mode	Transmission Rate	Relay Distance	Power
MWE485-Y	RS485/422 to RS485/422	300bps~115200bps	1.2km	DC5V



Contact Us

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